

## ABSTRACT OF THE DISCLOSURE

A semiconductor integrated circuit for processing a plurality of received broadcast signals, such as GPS signals, is operable in two modes: acquisition and tracking. In an acquisition mode, a memory arrangement comprising two circulating shift registers circulates samples of a received signal for correlation with a locally generated version of a GPS code. In a tracking mode, the sampled signal is provided direct to the correlators. The same correlators are thereby used to increase acquisition speed.

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